Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start		Rating **	Α	Issue No.		4	
LM End		Issue Type +	Ма	Location * N/A			
Catagoria Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item		s & Maintena	nce		0		0
пеш	Manuals				0		0
DWR ID DWR_ST0002_01_s _ 2013_4							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
The LMA has the O&M manuals.							

No Photos

Rating ** Issue No. Α LM Start 5 Issue Type + Ма Location * N/A LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR_ST0002_01_s _ 2013_5 DWR ID Comment Code Inspector Comment The LMA has flood fight supplies and equipment.

No Photos

Rating ** Issue No. LM Start 6 Location * Issue Type + Ma N/A LM End GPS Latitude/Longitude Earthen Levee Category End Flood Preparedness & Training Item DWR ID DWR_ST0002_01_s _ 2013_6 Comment Code Inspector Comment The LMA has completed flood flight training.

No Photos

* Location

LS: Land Side N/A: Not Applicable WS: Water Side

able A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	0.00	Rating **	U	Issue No.		48	
LM End	0.22	Issue Type +	Ма	Location *		LS	
Catagoni	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		39.1512	91 °	39.148600°	
пеш				-121.8321	10°	-121.830018 °	
DWR ID	DWR_ST0	002_01_f _ 201	9_48				
		Comn	nent Cod	de			
V1 : Contre		rass and wee	ds on th	e levee slo	pes	and	
Inspector Comment							



View of the vegetation along the landside slope. Fall 2019.

LM Start	0.00	Rating **	U	Issue No.		47		
LM End	0.25	Issue Type +	Ма	Location *		WS		
Category	Cotogon Earthen Levee					GPS Latitude/Longitude		
Calegory		Start		End				
Item	Vegetatio	n		39.1512	91 °	39.148212		
item				-121.8321	10°	-121.829759		
DWR ID	DWR_ST0002_01_f _ 2019_47							

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Photo 1 of 1: FA_2019_ST0002_450_47_20190926_00085.jpg



View of the vegetation along the waterside slope. Fall 2019.

LM Start	0.36	Rating **	M	Issue No.		42	
LM End	0.36	Issue Type +	Ma	Location *		WS	
Category	Category Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End		
Item	Erosion /	Bank Caving		39.1471	83°	39.147183	0
пеш				-121.8281	42 °	-121.828142	0
DWR ID	DWR_ST0	002_01_s _ 201	7_42				
		_					

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the waterside toe.

Photo 1 of 1: FA_2019_ST0002_450_42_20190822_00009.jpg



View of the erosion along the waterside toe.

* Location

LS : Land Side N/A : Not Applicable

WS : Water Side
CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

Inspected/Rated

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	1.11	Rating **	М	Issue No.		46		
LM End	1.11	Issue Type +	Ма	Location *		WS		
Cotogoni	Earthen Levee				GPS Latitude/Longitude			
Category				Start		End		
Item	Encroach	ments		39.1408	17°	39.140817°		
пеш				-121.8168	48°	-121.816848°		
DWR ID DWR_ST0002_01_f _ 2019_46								
		Comn	nent Cod	de				
GA : Garb	age							
		1	0	1				
	Inspector Comment							
Remove the garbage from the waterside shoulder.								

Photo 1 of 1: FA_2019_ST0002_450_46_20190822_00012.jpg

View of the garbage along the waterside slope.

LM Start	1.53	Rating **	U	Issue No.		57
LM End	1.53	Issue Type +	Ма	Location * WS		WS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory	ory			Start		End
Item	Erosion /	Bank Caving		39.1373	73°	39.137373°
itein				-121.8103	82°	-121.810382 °
DWR ID DWR_ST0002_01_f _ 2017_57						
			. ^			

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the beaver hole along the waterside berm.

Photo 1 of 1: FA_2019_ST0002_450_57_20190822_00014.jpg



View of the beaver hole along the waterside berm.

LM Start	1.57	Rating **	U	Issue No.		58
LM End	1.57	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS Latitude/Longitude		
Category	tegory			Start		End
Item	Erosion /	Bank Caving		39.1370 ⁻	10°	39.137010°
пеш				-121.80967	73°	-121.809673°
DWR ID	DWR_ST0	002_01_f _ 2017	7_58			·

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the beaver hole along the waterside berm.

Photo 1 of 1: FA_2019_ST0002_450_58_20190822_00015.jpg



View of the beaver hole along the waterside berm.

Location

LS: Land Side N/A: Not Applicable

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	1.61	Rating **	U	Issue No.		61	
LM End	1.61	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / I	Bank Caving		39.1367	'13 °	39.136713°	
пеш				-121.8092	202°	-121.809202°	
DWR ID DWR_ST0002_01_f _ 2017_61							
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			
Repair the	Repair the beaver hole along the waterside berm.						



View of the beaver hole along the waterside berm.

LM Start	2.32	Rating **	A/W	Issue No.		51	
LIVI Start	2.32	rtating	~/ VV	13300 140.		Ji	
LM End	2.32	Issue Type +	Ма	Location *		WS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Crown Surface / Depressions /			39.130704°		39.130704°	
пеш	Rutting			-121.798381 °		-121.798381 °	
DWR ID DWR_ST0002_01_f _ 2019_51							
		Comn	nent Cod	de			
C2 : Repai	r depressi	ons or ruts in	the crow	n or slope.			
			_				
Inspector Comment							



View of the depression on the waterside slope. Fall 2019.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.		73	
LM End	3.55	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item		WR UCIP LM	Α	39.1203	72 °	39.120372°	
пеш	Responsi	oility		-121.7798	00°	-121.779800°	
DWR ID	16880						
	Comment Code						

Inspector Comment

DS_ID:16880 FS_ID:55218 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage system. This structure in operated and maintained by DWR Sutter Yard. No permit is available for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O.

Magana - DWR UCIP) 04/11/2017 Not abandoned. good condition. (DWR Sutter Yard-AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2103 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment. FIELD_STRUCT_DESC: [Pumping Plant No. 3] 1 of 2: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS)

end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M

Manual 315, May 1953 (Station 966+30)]. FS Date: 2/12/2019 3:05:00 PM



Overview of levee crown looking towards pumping station.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.		73 (cont)		
LM End	3.55	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	DRAFT D	WR UCIP LM	A	39.1203	72 °	39.120372°		
пеш	Responsil	oility		-121.7798	00°	-121.779800°		
DWR ID	16880							
	Comment Code							

Inspector Comment

DS_ID:16880 FS_ID:55218 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage system. This structure in operated and maintained by DWR Sutter Yard. No permit is available for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O.

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Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M

Manual 315, May 1953 (Station 966+30)]. FS Date: 2/12/2019 3:05:00 PM



LS view: slide gate valves located on LS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.	73 (cont)			
LM End	3.55	Issue Type +	Ма	Location *				
Category	Suppleme	ental		GPS Latitude/Longitude				
Calegory	ategory			Start		End		
ltom	DRAFT D	WR UCIP LM	A	39.12037	2 °	39.120372°		
пеш	Responsibility			-121.77980	o°	-121.779800°		
DWR ID	16880							
	Comment Code							

Inspector Comment

DS_ID:16880 FS_ID:55218 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage system. This structure in operated and maintained by DWR Sutter Yard. No permit is available for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O.

Magana - DWR UCIP) 04/11/2017 Not abandoned. good condition. (DWR Sutter Yard-AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2103 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment. FIELD_STRUCT_DESC: [Pumping Plant No. 3] 1 of 2: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS)

end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M

Manual 315, May 1953 (Station 966+30)]. FS Date: 2/12/2019 3:05:00 PM

Photo 3 of 3 : UCIP_FA_2019_55218_64815.jpg



Slide gates on LS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.	74		
LM End	3.55	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item		WR UCIP LM	A	39.1203	58°	39.120358°	
пеш	Responsibility			-121.7797	75 °	-121.779775°	
DWR ID	D 16895						
Comment Code							

Inspector Comment

DS ID:16895 FS ID:55219 EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage structure. Structure is operated and maintained by DWR Sutter Yard. No permit has been identified for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O. Magana - DWR UCIP)

04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard-AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch. (DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel 05/07/2015 Concrete culverts still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2103 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine

FIELD_STRUCT_DESC: [Pumping Plant No. 3] 2 of 2: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)] FS Date: 2/12/2019 3:06:00 PM



Overview of levee crown looking towards pumping station.

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

Ma: Maintenance Deficiancy

Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.		74 (cont)	
LM End	3.55	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Category	Category			Start		End	
ltom	DRAFT D	WR UCIP LM	A	39.1203	58°	39.120358°	
пеш	Responsibility			-121.7797	75 °	-121.779775°	
DWR ID	16895						
	Comment Code						

Inspector Comment

DS_ID:16895 FS_ID:55219 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage structure. Structure is operated and maintained by DWR Sutter Yard. No permit has been identified for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O. Magana - DWR UCIP)

04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard-AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch. (DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culverts still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2103 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD_STRUCT_DESC: [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].
FS Date: 2/12/2019 3:06:00 PM

Photo 2 of 3: UCIP_FA_2019_55219_78866.jpg

Overview of levee crown, photo taken at crossings looking u/s.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	3.55	Rating **	М	Issue No.	74 (cont)		
LM End	3.55	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Calegory			Start		End		
Item	DRAFT D	WR UCIP LM	A	39.1203	58°	39.120358°	
пеш	Responsi	oility		-121.7797	75 °	-121.779775°	
DWR ID 16895							
	Comment Code						

Inspector Comment

DS_ID:16895 FS_ID:55219 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 02/12/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authoring this pump station. Pumping Plant No. 3 is an active plant that has been converted to a gravity drainage structure. Structure is operated and maintained by DWR Sutter Yard. No permit has been identified for this structure. (O. Magana - DWR UCIP)01/11/2019 Record has been updated to show pumping plant is still in use and not abandoned. (O. Magana - DWR UCIP)

04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard-AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch. (DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culverts still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2103 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD_STRUCT_DESC: [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].
FS Date: 2/12/2019 3:06:00 PM



Photo 3 of 3: UCIP_FA_2019_55219_78864.jpg

LS view: slide gate valves located on LS shoulder.

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	5.19	Rating **	М	Issue No.		45
LM End	5.19	Issue Type +	Ма	Location *	WS	
Cotogon	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Slope Sta	bility		39.1033	68°	39.103368
item				-121.7587	'60°	-121.758760
DWR ID	DWR_ST0	002_01_s _ 201	8_45			
		Comn	nent Cod	de		
S3 : Repai access wh		slope damaç le.	ed by ve	ehicle traffic	and	prevent
Inspector Comment						

Photo 1 of 1: FA_2019_ST0002_450_45_20190822_00011.jpg



View of the vehicle traffic along the waterside slope.

LM Start	5.85	Rating **	М	Issue No.		52					
LM End	5.85	Issue Type +	Ma	Location *		Location *		Location *		LS	
Category	Earthen L	evee	GPS Latitude/Longitude								
Calegory				Start		End					
Item	Animal Co	ontrol		39.0945	08°	39.094508°	>				
пеш				-121.7541	69°	-121.754169 °	,				
DWR ID DWR_ST0002_01_f _ 2019_52											

Comment Code A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 1: FA_2019_ST0002_450_52_20190926_00087.jpg



View of the rodent burrow on the landside slope. Fall 2019.

LM Start	7.83	Rating **	М	Issue No.		34	
LM End	7.83	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start	End		
Item	Erosion /	Bank Caving		39.06729	9°	39.067299°	
пеш				-121.74285	1 °	-121.742851°	
DWR ID	DWR_ST0	002_01_f _ 2016	5_34				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment



View of the erosion along the waterside toe.

Location

N/A: Not Applicable LS: Land Side

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		85
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS La	le/Longitude		
Calegory						End
Item		WR UCIP LM	Α	39.02569	93 °	39.025693°
item	Responsil	oility		-121.7268	95 °	-121.726895°
DWR ID	16871					·

Inspector Comment

Comment Code

DS_ID:16871 FS_ID:55258 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record remains Non-Urgent, no permit has been identified authorizing pump station. Crossing 1 of 5 is abandoned. Need to determine how pipe was abandoned. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Abandoned.10/10/2016 Abandoned crossing but no noticeable issues seen with it.05/07/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.10/08/2012 Need to determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 5/1/2019 2:29:00 PM

LM Start	10.83	Rating **	М	Issue No.	85 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder



Flap gates on WS toe.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating

A: Acceptable
N: Not Inspected/Rated
M: Minimally Acceptable
U: Unacceptable
U: Unacceptable
A: Acceptable
U: Unacceptable
A: N: Not Inspected/Rated
C: Corrected
C: Corrected
A/W: Acceptable but Monitor & Maintain

** Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		85 (cont)
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS Latitude/Longitud			
Category				Start		End
Item		WR UCIP LM	Α	39.02569	3°	39.025693°
пеш	Responsil	bility		-121.72689	5 °	-121.726895°
DWR ID	16871					·

Inspector Comment

Comment Code

DS_ID:16871 FS_ID:55258 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record remains Non-Urgent, no permit has been identified authorizing pump station. Crossing 1 of 5 is abandoned. Need to determine how pipe was abandoned. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Abandoned.10/10/2016 Abandoned crossing.04/18/2016 Abandoned crossing but no noticeable issues seen with it.05/07/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Same as last inspection.10/08/2012 Need to determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 5/1/2019 2:29:00 PM



Pumphouse/intake structure on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		86
LM End	10.83	Issue Type +	Ма	Location *		
Category	Suppleme	ental	GPS Latitude/Longitude			
Calegory						End
Item	DRAFT D	WR UCIP LM	Α	39.0256	33 °	39.025683°
item	Responsil	oility	-121.7268	36°	-121.726886°	
DWR ID	16906					

Inspector Comment

Comment Code

DS ID:16906 FS_ID:55257 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record remains Non-Urgent, no permit has been identified authorizing pump station. Crossing 2 of 5 is abandoned. Need to determine how pipe was abandoned. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/18/2016 Abandoned crossing but no noticeable issues seen with it.05/07/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Same as last inspection.10/08/2012 Determine type of abandonment.

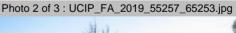
FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]

FS Date: 5/1/2019 2:30:00 PM

LM Start	10.83	Rating **	М	Issue No.	86 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

Location Ma: Maintenance Deficiancy LS: Land Side N/A: Not Applicable Acceptable N: Not Inspected/Rated WS: Water Side Minimally Acceptable Ob : Design & System Obsolescence C: Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		86 (cont)
LM End	10.83	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Category			Start		End	
Item		WR UCIP LM	Α	39.02568	3°	39.025683 °
пеш	Responsibility			-121.72688	3°	-121.726886 °
DWR ID	16906					

Inspector Comment

Comment Code

DS_ID:16906 FS_ID:55257 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record remains Non-Urgent, no permit has been identified authorizing pump station. Crossing 2 of 5 is abandoned. Need to determine how pipe was abandoned. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Abandoned.10/10/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)04/18/2016 Abandoned crossing but no noticeable issues seen with it.05/07/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Same as last inspection.10/08/2012 Determine type of abandonment.

FIELD_STRUCT_DESC: *ABANDONED* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 5/1/2019 2:30:00 PM



Pumping plant on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		87		
LM End	10.83	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Calegory	egory			Start		End		
Item	DRAFT D	WR UCIP LM	A	39.0256	73 °	39.025673°		
пеш	Responsi	oility		-121.7268	73 °	-121.726873°		
DWR ID	16907							
	Comment Code							

Inspector Comment

DS_ID:16907 FS_ID:55254 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 3 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 2:31:00 PM



Slide gates on WS shoulder.

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Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		87 (cont)		
LM End	10.83	Issue Type +	Ма	Location *				
Supplemental				GPS Latitude/Longitude				
Calegory	negory			Start		End		
Item	DRAFT D	WR UCIP LM	A	39.0256	73 °	39.025673°		
item	Responsi	oility		-121.7268	73 °	-121.726873°		
DWR ID	16907							
	Comment Code							

Inspector Comment

DS_ID:16907 FS_ID:55254 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 3 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 2:31:00 PM



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		87 (cont)		
LM End	10.83	Issue Type +	Ма	Location *				
Catagory	Category				GPS Latitude/Longitude			
Calegory	эг у			Start		End		
Itom	DRAFT D	WR UCIP LM	Α	39.02567	'3°	39.025673°		
пеш	Responsibility			-121.72687	'3 °	-121.726873°		
DWR ID	16907							
	Comment Code							

Inspector Comment

DS_ID:16907 FS_ID:55254 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 3 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 2:31:00 PM



Pumphouse and intake on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.		88	
LM End	10.83	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	DRAFT D	WR UCIP LM	A	39.0256	56°	39.025656°	
пеш	Responsi	bility		-121.7268	78°	-121.726878°	
DWR ID	16908				·		
Comment Code							

Inspector Comment

DS_ID:16908 FS_ID:55255 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/08/2012 Need to determine type of abandonment.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD_STRUCT_DESC: [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019



Slide gates on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.	88 (cont)		
LM End	10.83	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Category				Start		End	
Itom		WR UCIP LM	A	39.0256	56°	39.025656°	
пеш	Responsibility					-121.726878°	
DWR ID 16908							
Comment Code							

Inspector Comment

DS_ID:16908 FS_ID:55255 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/08/2012 Need to determine type of abandonment.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD_STRUCT_DESC: [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.	88 (cont)			
LM End	10.83	Issue Type +	Ma	Location *				
Category	ental	GPS Latitude/Longitude						
Category				Start		End		
ltom	DRAFT D	WR UCIP LM	A	39.0256	56°	39.025656°		
Responsibility -121.726878 ° -121.726								
DWR ID 16908								
Comment Code								

Inspector Comment

DS_ID:16908 FS_ID:55255 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/08/2012 Need to determine type of abandonment.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD_STRUCT_DESC: [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019



Pumphouse and intake on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.	89		
LM End	10.83	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Category				Start		End	
Item	DRAFT D	WR UCIP LM	A	39.0256	39°	39.025639°	
пеш	Responsil	oility		-121.7268	74°	-121.726874°	
DWR ID 16909							
Comment Code							

Inspector Comment

DS_ID:16909 FS_ID:55256 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment for pipe. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 5 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 3:13:00 PM



Slide gates on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.	89 (cont)		
LM End	10.83	Issue Type +	Ma	Location *			
Category	ental	GPS Latitude/Longitude					
Category				Start		End	
ltom	DRAFT D	WR UCIP LM	A	39.0256	39°	39.025639°	
пеш	ltem Responsibility					-121.726874°	
DWR ID 16909							
Comment Code							

Inspector Comment

DS_ID:16909 FS_ID:55256 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment for pipe. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 5 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 3:13:00 PM



Flap gates on WS Toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	10.83	Rating **	М	Issue No.	89 (cont)		
LM End	10.83	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Calegory				Start		End	
ltom	DRAFT D	39.0256	39°	39.025639°			
пеш	Responsibility					-121.726874°	
DWR ID 16909							
Comment Code							

Inspector Comment

DS_ID:16909 FS_ID:55256 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. This pump station is used as a gravity drainage structure, pumps have been removed from this structure. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/13/2014 Same as last inspection.10/30/2013 Same as last inspection.05/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/08/2012 Need to determine type of abandonment for pipe. FIELD_STRUCT_DESC: [Pumping Plant No. 2] 5 of 5: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 5/1/2019 3:13:00 PM



Pumphouse/intake on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	12.75	Rating **	С	Issue No.		44	
LM End	12.75	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Encroach	38.9986	98°	38.998698 °			
пеш	-121.718062 [°]				62°	-121.718062°	
DWR ID	DWR_ST0	002_01_s _ 201	8_44				
		Comn	nent Cod	de			
MA : Mate	rial						
		Inanasta	or Comm	n a m t			
		mspecio	or Comm	ient			
Remove the tires from the waterside slope and toe.							

No Photos

LM Start	13.34	Rating **	A/W	Issue No.		23
LM End	13.34	Issue Type +	Ma	Location *		WS
Category Earthen Levee				GPS Latitude/Longitude		
Category				Start		End
Item	Slope Sta	bility		38.9918	57°	38.991857°
пеш	item				55 °	-121.711555°
DWR ID DWR_ST0002_01_s _ 2015_23						

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Monitor the erosion along the waterside slope.



Photo 1 of 1: FA_2019_ST0002_450_23_20190822_00004.jpg

View of the vehicle erosion along the slope.

LM Start	14.71	Rating **	M	Issue No.		37	
LM End	14.71	Issue Type +	Ма	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory						End	
Item	Slope Stability		38.97938	39°	38.979389 °		
item				-121.691923 °		-121.691923 °	
DWR ID	DWR_ST0	002_01_f _ 2016	6_37				

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment



View of the erosion caused by vehicle traffic.

Location

LS: Land Side N/A: Not Applicable

WS: Water Side

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	17.60	Rating **	M	Issue No.		21		
LM End	17.60	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Slope Sta	bility		38.9499	65°	38.949965 °		
пеш				-121.6538	323°	-121.653823°		
DWR ID DWR_ST0002_01_s _ 2015_21								
		Comn	nent Co	de				
	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.							
		Inspecto	or Comn	nent				

LM Start	17.60	Rating **	М	Issue No.	21 (cont)
LM End	17.60	Issue Type +	Ma	Location *	WS



View of the vehicle erosion along the waterside slope.

Photo 2 of 2: FA_2019_ST0002_450_21_20190822_00003.jpg



View of the vehicle erosion along the waterside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.		97		
LM End	19.18	Issue Type +	Ма	Location *				
Category	Supplemental				tituc	le/Longitude		
Category	Category		Start		End			
ltom		WR UCIP LM	A	38.9324	76 °	38.932476 °		
пеш	Responsibility			-121.6351	73 °	-121.635173 °		
DWR ID	16877							
	Comment Code							

Inspector Comment

DS_ID:16877 FS_ID:55285 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culvert.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

O&M Manual 315, May 1953 (Station 141+ FS Date: 5/1/2019 2:41:00 PM



Pumphouse on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.		97 (cont)		
LM End	19.18	Issue Type +	Ма	Location *				
Category			GPS Latitude/Longitude					
Category	Category			Start		End		
Itom	DRAFT D	WR UCIP LM	Α	38.9324	76°	38.932476°		
пеш	Responsibility			-121.6351	73 °	-121.635173 °		
DWR ID	16877							
	Comment Code							

Inspector Comment

DS ID:16877 FS_ID:55285 EP NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culvert.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:41:00 PM



Slie	de gates on WS shou	ılder.

Location

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.		97 (cont)
LM End	19.18	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item		WR UCIP LM	Α	38.9324	76°	38.932476 °
пеш	Responsibility			-121.635173 °		-121.635173 °
DWR ID	16877					

Inspector Comment

Comment Code

DS_ID:16877 FS_ID:55285 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culvert.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:41:00 PM

Photo 3 of 3: UCIP_FA_2019_55285_65327.jpg



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.	98			
LM End	19.18	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Category			Start		End			
Item	DRAFT D	WR UCIP LM	Α	38.93246	9°	38.932469°		
пеш	Responsil	oility		-121.63516	60°	-121.635160°		
DWR ID	17027							
	Comment Code							

Inspector Comment

DS_ID:17027 FS_ID:55286 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:42:00 PM



Pumphouse on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.	98 (cont)		
LM End	19.18	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory	Category			Start		End	
ltom	DRAFT D	WR UCIP LM	A	38.9324	69°	38.932469°	
пеш	Item Responsibility			-121.6351	60°	-121.635160°	
DWR ID	WR ID 17027						
Comment Code							

Inspector Comment

DS_ID:17027 FS_ID:55286 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

O&M Manual 315, May 1953 (Station 1 FS Date: 5/1/2019 2:42:00 PM



Slide gates on WS shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.	98 (cont)		
LM End	19.18	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Category			Start		End		
Item	DRAFT D	WR UCIP LM	A	38.93246	69°	38.932469°	
пеш	Responsi	bility		-121.63516	60°	-121.635160°	
DWR ID	17027						
	Comment Code						

Inspector Comment

DS ID:17027 FS_ID:55286 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee. 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:42:00 PM

Photo 3 of 3: UCIP_FA_2019_55286_65328.jpg



Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.	99		
LM End	19.18	Issue Type +	Ma	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory	Category			Start		End	
ltom	DRAFT D	WR UCIP LM	A	38.9324	60°	38.932460 °	
пеш	Responsibility			-121.6351	50°	-121.635150°	
DWR ID	R ID 17028						
Comment Code							

Inspector Comment

DS_ID:17028 FS_ID:55287 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Need to determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

O&M Manual 315, May 1953 (Station 14) FS Date: 5/1/2019 2:43:00 PM



Pumphouse on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.		99 (cont)	
LM End	19.18	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory	Sategory			Start		End	
Item		WR UCIP LM	A	38.9324	60°	38.932460°	
пеш	Responsil	Responsibility		-121.6351	50°	-121.635150°	
DWR ID	DWR ID 17028						
Comment Code							

Inspector Comment

DS ID:17028 FS ID:55287 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Need to determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee. 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:43:00 PM



Photo 2 of 3: UCIP_FA_2019_55287_65332.jpg

Slide gates on WS shoulder.

LS: Land Side N/A: Not Applicable WS: Water Side

Location

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En: Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.18	Rating **	М	Issue No.	99 (cont)			
LM End	19.18	Issue Type +	Ма	Location *				
Category				GPS Latitude/Longitude				
Category	Category			Start		End		
Item	DRAFT D	WR UCIP LM	A	38.93246	0°	38.932460 °		
пеш	Responsi	bility		-121.63515	0°	-121.635150 °		
DWR ID	WR ID 17028							
	Comment Code							

Inspector Comment

DS ID:17028 FS_ID:55287 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 05/01/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been identified authorizing pump station. As noted back in 2016 by A. Freitag, this pumping plant has been modified to be used as a gravity drain to regulate the water levee in the LS ditch. This pumping station is maintained by DWR Sutter Yard. (O. Magana - DWR UCIP)04/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumping plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)04/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.05/07/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.05/14/2014 Same as last inspection.10/30/2013 Same as last inspection.05/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/09/2012 Need to determine type of abandonment for concrete culverts.

FIELD_STRUCT_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 5/1/2019 2:43:00 PM

Flap gate at WS toe.

Photo 3 of 3: UCIP_FA_2019_55287_65331.jpg

Location

U : Unacceptable

N: Not Inspected/Rated C : Corrected

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	19.21	Rating **	С	Issue No.	50		
LM End	19.21	Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Encroachments			38.932019°		38.932019°	
			-121.6347	13°	-121.634713°		
DWR ID	DWR ID DWR_ST0002_01_s _ 2019_50						
Comment Code							
TR : Tree or limb							

Inspector Comment

The tree trunks and limbs should be removed from the waterside toe.

Rating ** С Issue No. 19.73 LM Start 49 Issue Type + Location * WS LM End 19.73 Ma Earthen Levee GPS Latitude/Longitude Category Start Fnd Encroachments 38.926346° 38.926346 Item -121.628543 ° -121.628543° DWR_ST0002_01_s _ 2019_49 DWR ID Comment Code

TR: Tree or limb

Inspector Comment

The large tree trunk should be removed from the waterside toe.

No Photos

No Photos

Rating ** Issue No. 20.02 LM Start 29 20.02 Issue Type + Ma Location * WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 38.922678° 38.922678° Item -121.625890° -121.625890° DWR ID DWR_ST0002_01_f _ 2015_29

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

No Photos

* Location

N/A: Not Applicable LS: Land Side

WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard East Levee Sutter Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	09/25/2019 09/25/2019	Makar Sokol

LM Start	20.35	Rating **	М	Issue No.		53	
LM End	20.35	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation			38.918015°		38.918015 °	
				-121.6243	83°	-121.624383°	
DWR ID	R ID DWR_ST0002_01_f _ 2019_53						
Comment Code							
V1 : Control annual grass and weeds on the levee slopes and							
easements.							
Inspector Comment							

No Photos

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement